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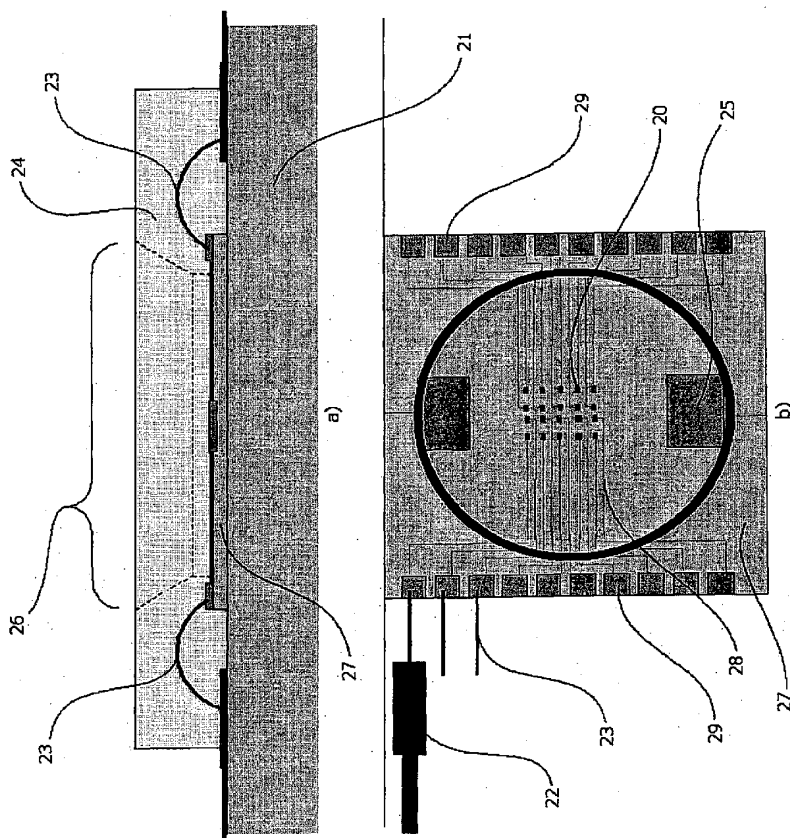
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(54) **Title:** BIOCHIP ELECTROPORATOR AND ITS USE IN MULTI-SITE, SINGLE-CELL ELECTROPORATION



(57) **Abstract:** The introduction of genetic material or molecules of biological interest into cells is a procedure with an increasing interest both for experimental and application purposes, so that electroporation is a widely used technique, but the electroporation of single adhering cells is still impaired. The present application describes an apparatus for the electroporation of any kind of cell adhering to a substrate at any stage of development, where an electrical signal can be driven and applied to a single adhering cell in culture in order to obtain its electroporation. The method to electroporate a single adhering cell with the apparatus of the invention is also described.

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